Dear <<First Name>>,

Welcome to the latest TB Modelling and Analysis Consortium (TB MAC) newsletter, with information for TB modellers, epidemiologists, and decision-makers. This newsletter contains information on our next TB MAC seminar and papers from our community.

Join our next TB MAC seminar: Tess Ryckman and Alex Richards presenting on New models of TB natural history [21st September 1400-1500 BST]
TB MAC would like to invite you to join us for a seminar on New models of TB natural history, given by members of the TB MAC community, Tess Ryckman and Alex Richards, on the **21st September 1400-1500 BST.** See below for more details on the seminar, presenter and how to join and add this event to your calendar.

Seminar summary:
Around 50% of individuals with prevalent bacteriologically-positive TB do not report symptoms during individual screening. These individuals with so-called subclinical TB likely are not picked up by current passive case finding policies, and as such could play a key role in ongoing Mtb transmission and TB epidemiology. However it has been unclear how such individuals progress or regress across the spectrum of disease, and in turn how long they remain in their subclinical state. In this joint seminar, Alex Richards and Tess Ryckman present their modelling analyses that use different data sources from past and present to identify these pathways, enabling them to quantify how individuals with subclinical TB likely affect the epidemiology of TB, and inform decisions around TB policy and study design.

Presenter bios:
Tess Ryckman is a faculty member in the infectious diseases division at Johns Hopkins School of Medicine. Tess's research includes the use of mathematical modeling, economic evaluation, and policy analysis to inform infectious disease programs and policies and shed light on disease natural history and transmission. She is primarily focused on tuberculosis epidemiology and policy and has a particular interest in prevention and active case finding interventions.

Alex Richards is a research fellow at the London School of Hygiene and Tropical Medicine. She completed a PhD in mathematical modelling of tuberculosis, aiming to understand the natural history of tuberculosis infection and disease through the use of historical and contemporary literature. Her current research includes using modelling to further understand the natural history of disease, the effects of treatment and the impact of gendered differences in TB.

Joining details:

The seminar will take place online on the 21st September 1400-1500 BST, Dial-in details::

https://lshtm.zoom.us/j/93467557878?pwd=VjE4MDhwWCt2aUh0WEJRSk5jZ05JZz09

Meeting ID: 934 6755 7878

Password: 068364

Click below to add the event to your calendar and ensure you don't miss out!

Apple Google Office 365 Outlook Outlook.com Yahoo
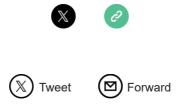
Papers:

Swartwood et al describe Tabby2; a user-friendly web tool for forecasting state-level TB outcomes in the US

Ross et al model community-based ART and TPT care programs in South Africa

Balasubramanian et al estimate the impact of universal TB molecular testing and timing of TB preventive treatment during ART initiation in South Africa

Yates et al describe modelling studies that explore infection prevention and control in health facilities

Brough et al model screening for active TB disease or infection among children in South Africa

Clark et al estimate the health and economic impacts of adolescent/adult vaccination with M72/AS01E and BCG-revaccination in India

Carter et al model vaccination against 14 pathogens (including TB) in 194 countries from 2021 to 2030

Pando et al use a network analysis model to understand M.tb transmission in rural Madagascar

Scarponi et al evaluate whether a neglect of self-clearance biases TB vaccine impact estimates

Kifle & Obsu model COVID-19 and TB co-dynamics

Malhotra et al use modelling to determine cost and placement decisions for moderate complexity NAATs for TB drug susceptibility testing

Brummer et al estimate the cost effectiveness of low-complexity screening tests in community-based case-finding for TB

Muniyandi et al calculate the cost-effectiveness of the BEAT-TB regimen for pre-XDR TB

Ramsay et al review the inclusion of non-medical interventions in model-based economic evaluations for TB

Tovar et al address mechanism bias in model-based impact forecasts of new TB vaccines

For more information on TB MAC, or to get involved, please contact any of the TB MAC Committee, visit www.tb-mac.org or email us directly at tb-mac@lshtm.ac.uk.

Best wishes,

Richard, Finn, Christina and the TB MAC Committee

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GDPR compliance

In line with the new European data protection regulations (GDPR), we would like to make sure that you still want to hear from us and keep receiving the newsletter. Subscription to the newsletter means we have your name, email and organisation details stored in a private mailing list. If you no longer like us to keep this information or no longer wish to receive newsletters please click on unsubscribe below. Should you choose not to unsubscribe we will take this as your acceptance to continue receiving newsletters from us.

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